

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/591,051  
Source: 1 FWP  
Date Processed by STIC: 9/8/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

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- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER: 10/59/051

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos     The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."
  
- 2      Invalid Line Length     The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
  
- 3      Misaligned Amino  
    Numbering     The numbering under each 5<sup>th</sup> amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
  
- 4      Non-ASCII     The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**
  
- 5      Variable Length     Sequence(s)      contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
  
- 6      PatentIn 2.0  
    "bug"     A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)             . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
  
- 7      Skipped Sequences  
    (OLD RULES)     Sequence(s)      missing. If intentional, please insert the following lines for **each** skipped sequence:  
                                   (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                                   (i)     SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
                                   (xi)  SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                                   This sequence is intentionally skipped  
                                   Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
  
- 8      Skipped Sequences  
    (NEW RULES)     Sequence(s)      missing. If **intentional**, please insert the following lines for **each** skipped sequence.  
                                   <210> sequence id number  
                                   <400> sequence id number  
                                   000
  
- 9      Use of n's or Xaa's  
    (NEW RULES)     Use of n's and/or Xaa's have been detected in the Sequence Listing.  
                                   Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.  
                                   In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
  
- 10     Invalid <213>  
    Response     Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence. (see item 11 below)
  
- 11      Use of <220>     Sequence(s)      missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules
  
- 12      PatentIn 2.0  
    "bug"     Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
  
- 13      Misuse of n/Xaa     "**n**" can **only** represent a single nucleotide; "**Xaa**" can **only** represent a single amino acid



IFWP

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/591,051

DATE: 09/08/2006

TIME: 13:54:52

Input Set : E:\5151B-2-PCT.ST25.txt

Output Set: N:\CRF4\09082006\J591051.raw

3 <110> APPLICANT: St. John, Judith  
 4 Quinn, Thomas W.  
 6 <120> TITLE OF INVENTION: Method of Isolating Nucleic Acid Targets  
 8 <130> FILE REFERENCE: 5161B-2-PCT  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/591,051  
 C--> 11 <141> CURRENT FILING DATE: 2006-08-28  
 13 <160> NUMBER OF SEQ ID NOS: 5  
 15 <170> SOFTWARE: PatentIn version 3.3  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 21  
 19 <212> TYPE: DNA  
 20 <213> ORGANISM: Primer  
 22 <400> SEQUENCE: 1  
 23 cagtgtctcta gacgtgctag t  
 26 <210> SEQ ID NO: 2  
 27 <211> LENGTH: 25  
 28 <212> TYPE: DNA  
 C--> 29 <213> ORGANISM: ~~This artificial sequence is a~~ primer  
 W--> 31 <220> FEATURE:  
 W--> 31 <223> OTHER INFORMATION:  
 W--> 31 <400> 2  
 32 actagcacgt ctagagcact gaaaa  
 35 <210> SEQ ID NO: 3  
 36 <211> LENGTH: 46  
 37 <212> TYPE: DNA  
 C--> 38 <213> ORGANISM: ~~This artificial sequence is a~~ primer  
 W--> 40 <220> FEATURE:  
 W--> 40 <223> OTHER INFORMATION:  
 W--> 40 <400> 3  
 41 cagtgtctcta gacgtgctag tactagcacg tctagagcac tgaaaa  
 44 <210> SEQ ID NO: 4  
 45 <211> LENGTH: 46  
 46 <212> TYPE: DNA  
 C--> 47 <213> ORGANISM: ~~This artificial sequence is a~~ primer  
 W--> 49 <220> FEATURE:  
 W--> 49 <223> OTHER INFORMATION:  
 W--> 49 <400> 4  
 50 cagtgtctcta gacgtgctag tactagcacg tctagagcac tgaaaa  
 53 <210> SEQ ID NO: 5  
 54 <211> LENGTH: 22  
 55 <212> TYPE: DNA  
 C--> 56 <213> ORGANISM: ~~This artificial sequence is a~~ primer  
 W--> 58 <220> FEATURE:

*Suggestion: Consult  
 sequence  
 Rules for  
 valid  
 format.*

*Does Not Comply  
 Corrected Diskette Needed*

*do not explain <213> Artificial Sequence<sup>21</sup>  
 on <213> line*

*move explanation to <223>  
 line*

*25  
 e.g. <2207  
 <2237 primer;*

*<2207 is  
 a "header"  
 only. It  
 never has a  
 response*

*(see  
 p.3)*

*goes on <223> line*

RAW SEQUENCE LISTING

DATE: 09/08/2006

PATENT APPLICATION: US/10/591,051

TIME: 13:54:52

Input Set : E:\5161B-2-PCT.ST25.txt

Output Set: N:\CRF4\09082006\J591051.raw

W--> 58 <223> OTHER INFORMATION:

W--> 58 <400> 5

59 tcagagggttg gactaggtga tc

22

## RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 09/08/2006

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TIME: 13:54:53

Input Set : E:\5161B-2-PCT.ST25.txt

Output Set: N:\CRF4\09082006\J591051.raw

Use of <220> Feature(NEW RULES):

Sequence(s) are missing the &lt;220&gt; Feature and associated headings.

Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32).  
(Sec.1.823 of new Rules)

Seq#:2,3,4,5

## VERIFICATION SUMMARY

DATE: 09/08/2006

PATENT APPLICATION: US/10/591,051

TIME: 13:54:53

Input Set : E:\5161B-2-PCT.ST25.txt

Output Set: N:\CRF4\09082006\J591051.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:29 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2  
L:31 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:2, <213>  
ORGANISM:Artificial Sequence  
L:31 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:2, <213>  
ORGANISM:Artificial Sequence  
L:31 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:31  
L:38 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3  
L:40 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:3, <213>  
ORGANISM:Artificial Sequence  
L:40 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:3, <213>  
ORGANISM:Artificial Sequence  
L:40 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:40  
L:47 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4  
L:49 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:4, <213>  
ORGANISM:Artificial Sequence  
L:49 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:4, <213>  
ORGANISM:Artificial Sequence  
L:49 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:49  
L:56 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5  
L:58 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:5, <213>  
ORGANISM:Artificial Sequence  
L:58 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:5, <213>  
ORGANISM:Artificial Sequence  
L:58 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:58

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